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INGANÄS, Mats [SE/SE]; Lapplandsresan 14, S-757 55 Uppsala (SE). THORSEN, Gunnar [SE/SE]; Höstgatan 24, S-126 37 Hägersten (SE).

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(74) Agent: **BERGANDER, Håkan**; Gyros AB, Uppsala Science Park, S-751 83 Uppsala (SE).

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(71) Applicant (for all designated States except US): **GYROS AB** [SE/SE]; Uppsala Science Park, S-751 83 Uppsala (SE).

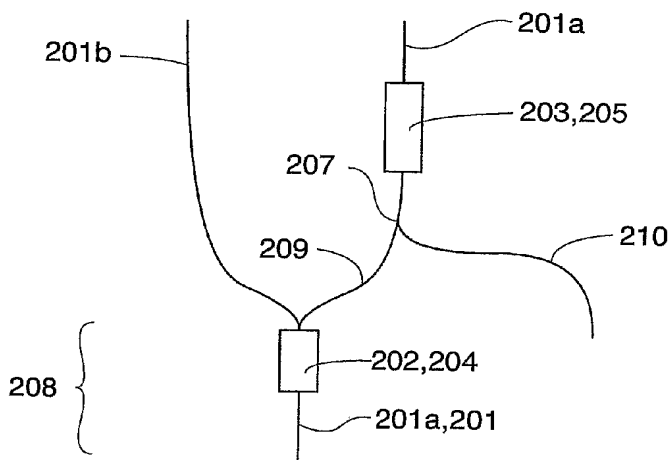
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(72) Inventors; and

(75) Inventors/Applicants (for US only): **ENGSTRÖM, Johan** [SE/SE]; Artillerigatan 12B, S-752 37 Uppsala (SE).

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(54) Title: FLOW PATHS COMPRISING ONE OR TWO POROUS BEDS



(57) Abstract: A microfluidic device that comprises a microchannel structure in which there are one, two or more flow paths (101;202a,b;302a,a',b) all of which comprises a porous bed I (104,204,304) that is common for all of the flow paths and exposes an immobilized reactant R that is capable of interacting with a solute S that passes through the bed. The characteristics are that at least one of the flow paths comprises/comprise a second porous bed II (105,205,305) that is placed upstream to porous bed I (104,204,304) and is dummy with respect to interaction with solute S but capable of interacting with a substance DS that is present in a liquid aliquot together with solute S and is capable of disturbing the result of the interaction between solute S and said immobilized reactant R. There is also disclosed a method utilizing the device and variant of the device in which the immobilized R is replaced with a generic affinity ligand L_I, and/or porous bed II exposes a generic ligand L_{II} that may be different from L_I.

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